

ABSTRACT

A graded index fiber formed of a plurality of fused graded index fibers is provided. Each fiber is formed from a preform comprising a plurality of fused low index rods with at least one high index rod arranged in a pre-determined pattern which have been drawn and fused. An array may be made utilizing such fibers, with each fiber having a center located at a specified position. A method of forming the GRIN fibers and the GRIN fiber array is also provided.